

1 AUG 1961

- b. Image Quality Meter. A major problem area exists with this item in that no quantitative standards have ever been established for film resolution or acuitance. I believe this should be an item of extreme interest to NBS, but no interest has been generated at the working level. Without such standards, the machine calibration will be arbitrary and of prime benefit on only a comparative basis. I suggest a higher level approach to NBS to instill interest at the top echelon, the results of which should then be reflected on a practical basis. [REDACTED] will propose some changes to further improve the machine, in the form of viewing optics, electrical threshold gates and filters, which are not presently specified. Delivery, without the additional changes, could be as early as 20 August 1961.
- c. Image Enhancement Device. Will be ready for testing about 1 September, and delivery about 15 November 1961. The machine is presently limited to material of maximum quality of 80 lines per millimeter. This could be doubled, they say, by non-major circuitry changes and a new lens. They will propose this, including the specifications for the new lens. [REDACTED] will have spent their entire [REDACTED] by 6 August 1961. To get them to the 15 November delivery date will require another overrun to the amount of about [REDACTED]. This is caused by extensive check-out procedures anticipated. The contracting officer had not been notified as of 19 July because they were waiting for me to arrive at the plant.

6. FMA

- a. Multiple Image Correlator. Still scheduled for delivery about 18 August 1961.
- b. Edge and Line Detector. Still scheduled for delivery about 20 October 1961. Both items in fabrication at present, no problems being encountered or anticipated.

7. [REDACTED] Discussed with [REDACTED] the proposed downward change in scope of contract to allow delivery of only the lens design. They are working on a set of tolerance specifications which I feel should be a part of the design if it were to be used for manufacture by other than [REDACTED]. This will delay the design by about six to eight weeks. No indication of additional cost, though some small amount may be incurred. Met Messrs. [REDACTED] the lens designers.

8. [REDACTED]. Two prototype items are still scheduled for delivery before 1 September 1961. [REDACTED] will make performance inspection about 15 August 1961. We should get our sensitive light meter back from TSD and lend to [REDACTED] so that he can run candle tests on the screen. Contract for the production items will be amended subsequent to [REDACTED] approval, with [REDACTED] of the prototype [REDACTED] will work with [REDACTED] on readout code and format for the measuring readers and furnish to [REDACTED] Projected deliveries: